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## Two New Combinations in Peruvian *Jaltomata* (Solanaceae)

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**ABSTRACT.** The new combination *Jaltomata weberbaueri* (Dammer) Mione is based on *Saracha weberbaueri* Dammer; this species resides in Peru, Dept. Ancash, between 3,300 and 3,700 m elevation. The new combination *Jaltomata aspera* (Ruíz & Pavón) Mione is based on *Atropa aspera* Ruiz & Pavón; *Hebecladus asperus* (Ruíz & Pavón) Miers is a synonym. This species resides in Peru, Dept. Lima, from near sea-level to 1,800 m, and is rare, likely due to habitat destruction by humans.

*Jaltomata* (tribe Solaneae) is a genus of about 28 species of tropical and subtropical perennial herbs and small shrubs that are distributed from Arizona, U.S.A., to southern Bolivia, and with one species each in the Greater Antilles and on the Galápagos Islands.

During study of the genus *Jaltomata* we have found the following new combinations to be necessary. The species treated here are similar but are easily distinguished. *Jaltomata weberbaueri* resides above 3,000 m and is glabrate, while *J. aspera* resides below 1,800 m and is pubescent and ciliate.

***Jaltomata weberbaueri*** (Dammer) Mione, comb. nov. Basionym: *Saracha weberbaueri* Dammer, Bot. Jahrb. Syst. 37: 638. 1906. TYPE: Peru. Ancash: Prov. Cajatambo, Ocros, *A. Weberbauer* 2657 (holotype, B destroyed, photo of B sheet F neg. 2558, WIS).

*Saracha weberbaueri* Dammer subsp. *pallascana* Bitter, Repert. Spec. Nov. Regni Veg. 19: 267. 1924. *Saracha pallascana* (Bitter) Macbride, Publ. Field Columbian Mus., Bot. Ser. 8: 110. 1930. TYPE: Peru. Ancash: Prov. Pallasca, valley of the river Pelagatos, near Yungabal, *A. Weberbauer* 7225 (holotype, B destroyed, photo of B sheet F neg. 2559, WIS; isotype, F, photo of F sheet F neg. 49345, WIS).

See Macbride (1962, as *Saracha weberbaueri*) for an English description of this taxon.

*Additional specimens examined.* PERU. ANCASH: Prov. Recuay, km 107 between Recuay and Pativilca, (fl), *M. Dillon et al.* 3174 (BH, GH, MO); Prov. Aija, cucho cucho, entre Huamanwilca y Sequipoquian, *C. Ochoa & A. Salas* 15160 (NY).

*Habitat.* Grasslands with scattered bushes, *A. Weberbauer* 2657, 7225; moist ravines, *M. Dillon et al.* 3174.

*Altitude.* 3,300–3,700 m.

*Phenology.* Flowering and fruiting January through March.

*Local name.* “Tomentito,” *M. Dillon et al.* 3174.

***Jaltomata aspera*** (Ruíz & Pavón) Mione, comb. nov. Basionym: *Atropa aspera* Ruiz & Pavón, Fl. Peruv., et Chilensis 2: 45. 1799. *Ulticonia aspera* (Ruíz & Pavón) Raf., Sylva Telluriana 55. 1838. *Hebecladus asperus* (Ruíz & Pavón) Miers, London J. Bot. 4: 322. 1845. TYPE: Peru. In collibus Limae moninatis Amancaes, *Ruíz López & Pavón s.n.* (holotype, presumably MA not seen).

*Saracha ciliata* Miers, Ann. Mag. Nat. Hist., ser. 2, 3: 446. 1849, syn. nov. TYPE: Peru. Valley of Lima, *Mathews* 834 (holotype, K).

*Saracha lacrima-virginis* Bitter, Repert. Spec. Nov. Regni Veg. 17: 341. 1921, syn. nov. TYPE: Peru. Amancaes, *A. Weberbauer* 1587 (holotype, B destroyed, photo of B specimen F neg. 2551, WIS).

*Saracha urbaniana* Bitter & Dammer, Repert. Spec. Nov. Regni Veg. 17: 342. 1921, syn. nov. TYPE: Peru. Above San Bartolomé, Lima–Oroya Railroad, *A. Weberbauer* 5262 (5262 = 5305 according to label on photo at WIS) (holotype, B destroyed, photo of B specimen F neg. 2557, GH, WIS; isotype, GH).

See Macbride (1962, as *Hebecladus asperus*, *Saracha ciliata*, and *S. urbaniana*) for English description of this taxon.

*Additional specimens examined.* PERU. LIMA: Prov. Huarochiri, valley of Río Rimac, near Lima–Oroya highway at km 70 E of Lima, *T. H. Goodspeed & R. D.*



*Metcalf 30248* (MO, US); near Lima, *W. Nation s.n.* (K, on same sheet as holotype of *S. ciliata*); hills of Mongomarca, *A. Weberbauer 5235* (US). LIMA: Amancaes, *A. Weberbauer 5246a* (F, US), *A. Weberbauer 5305* (F); San Geronimo, *J. F. Macbride 5912* (F), *D. Stafford 1932* (K).

*Habitat.* Loma-formation, *A. Weberbauer 1587*, *5235*, *5246a*; rocky hillside, *Macbride 5912*; dry open hillside, granite soil, with cacti, *Goodspeed & Metcalf 30248*; sandy hills of Lima, shady places, between stones, rare, *W. Nation s.n.*

All specimens examined were collected prior to 1943; perhaps endangered, due to habitat destruction by humans.

*Altitude.* Near sea-level to 1,800 m.

*Phenology.* Flowering and fruiting July through October, and March.

*Local name.* "Lacrima de la virgen," *A. Weberbauer 1587*.

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#### Literature Cited

- Macbride, J. F. 1962. Solanaceae. Field Mus. Nat. Hist., Bot. Ser. 13, part V-B, No. 1. [*Jaltomata* as *Saracha* and *Hebecladus*.]